

ABSTRACT OF THE DISCLOSURE

The present invention is to provide an information processing method using an operational nucleic acid, which comprises (a) converting arbitrary information into a nucleic acid molecule, (b) hybridizing the nucleic acid molecule obtained in (a) to an operational nucleic acid designed so as to express a logical equation indicating a condition to be detected, and extending the nucleic acid molecule hybridized, and (c) detecting a binding profile of the nucleic acid molecule included in the nucleic acid molecule extended in (b), thereby evaluating whether a solution of the logical equation is true or false. The present invention further provides an apparatus and a program for performing the information processing method.